



DRAINAGE REPORT



DELINEATION OF POTENTIAL JURISDICTIONAL WATERS OF THE U.S., INCLUDING WETLANDS



PROJECT AREA VEGETATION AND WILDLIFE

Table C-1
PROJECT AREA VEGETATION

Common Name	Scientific Name	Habitat/Community
Huisache	<i>Acacia farnesiana</i>	Disturbed Pasture, Fencerows
Western Yarrow	<i>Achillea millefolium</i>	Pasture
Carolina Foxtail	<i>Alopecurus carolinianus</i>	Wetlands, Pastures
Giant Ragweed	<i>Ambrosia trifida</i>	Ruderal
Peppervine	<i>Ampelopsis arborea</i>	Disturbed Pasture, Fencerows
Broomsedge	<i>Andropogon glomeratus</i>	Wetlands
Little Bluestem	<i>Andropogon scoparius</i>	Scrub edges
Saline Aster	<i>Aster tenuifolius</i>	Wetlands
Carolina Water Hyssop	<i>Bacopa caroliniana</i>	Wetlands, Depressions
Sand Bittercress	<i>Cardamine parviflora</i>	Wetlands
Giant Sedge	<i>Carex gigantea</i>	Wetlands
Crowsfoot Sedge	<i>Carex crus-corvi</i>	Wet Ditch
Longs Sedge	<i>Carex longii</i>	Wetlands
Sugar hackberry	<i>Celtis laevigata</i>	Scrub, Fencerows
Shortstalk Chickweed	<i>Cerastium brachypodum</i>	Pasture, Disturbed Pasture
Southern Thistle	<i>Cirsium texanum</i>	Disturbed Pasture, Ruderal
Common Croton	<i>Croton capitatus</i>	Disturbed Pasture
Southern Swamp-lily	<i>Crinum americanum</i>	Wet Ditch
Bermudagrass	<i>Cynodon dactylon</i>	Disturbed Pasture, Ruderal
Green Flatsedge	<i>Cyperus virens</i>	Disturbed Gilgai Depressions
Marsh Flatsedge	<i>Cyperus pseudovegetatus</i>	Disturbed Gilgai Depressions
Southern Crabgrass	<i>Digitaria ciliaris</i>	Disturbed Gilgai Depressions
Sand Spikerush	<i>Eleocharis montivedensis</i>	Disturbed Gilgai Depressions
Small Spikerush	<i>Eleocharis minima</i>	Disturbed Gilgai Depressions
Sweetscent Goldenrod	<i>Euthamia gymnosperoides</i>	Disturbed Pasture, Ruderal
Rough Bedstraw	<i>Galium aparine</i>	Ruderal
Carolina Cranesbill	<i>Geranium caroliniana</i>	Disturbed Pasture, Ruderal
Tiny Bluets	<i>Hedyotis crassifolia</i>	Disturbed Pasture, Ruderal
Sneezeweed	<i>Helenium amarum</i>	Disturbed Pasture, Ruderal
Common Sunflower	<i>Helianthus annuus</i>	Disturbed Pasture, Fencerows
Blackfoot Quillwort	<i>Isoetes melanopoda</i>	Disturbed Gilgai Depressions
Yaupon	<i>Ilex vomitoria</i>	Scrub, Fencerows
Slimpod Rush	<i>Juncus diffusissimus</i>	Wetlands
Grassleaf Rush	<i>Juncus marginatus</i>	Wetlands
Duckweed	<i>Lemna minor</i>	Depression Ponds
Mountain Pepperweed	<i>Lepidium montanum</i>	Disturbed Pasture, Ruderal
Texas Toadflax	<i>Linaria texana</i>	Disturbed Pasture, Ruderal
False Pimpernel	<i>Lindernia dubia</i>	Disturbed Wetlands
Smooth Water Primrose	<i>Ludwigia peploides</i>	Depression Ponds

Common Name	Scientific Name	Habitat/Community
Perennial Ryegrass	<i>Lolium perenne</i>	Managed Pasture
Lanceleaf Loosestrife	<i>Lythrum alatum</i>	Wet Ditches, Stream bottoms
Osage Orange	<i>Maclura pomifera</i>	Scrub, Fencerows
Texas Micromeria	<i>Micromeria brownei</i>	Disturbed Pasture, Ruderal
Parrot's Feather	<i>Myriophyllum aquaticum</i>	Depression Ponds
Crow-Poison	<i>Nothoscordum bivalve</i>	Disturbed Pasture, edges of Gilgai features
Dillen's Sourgrass	<i>Oxalis dillenii</i>	Disturbed Pasture, Ruderal
Switchgrass	<i>Panicum virgatum</i>	Disturbed Pasture
Knoted Dallis Grass	<i>Paspalum distichum</i>	Wet Ditches, Stream bottoms
Pointed Phlox	<i>Phlox cuspidata</i>	Disturbed Pasture, Ruderal
Paleseed Plantain	<i>Plantago virginica</i>	Disturbed Pasture, Ruderal
Swamp Smartweed	<i>Polygonum hydropiperoides</i>	Wetlands
Lady's Thumb	<i>Polygonum persicaria</i>	Disturbed Pasture, Ruderal
False Dandelion	<i>Pyrrhopappus carolinianus</i>	Disturbed Pasture, Ruderal
Honey Mesquite	<i>Prosopis glandulosa</i>	Scrub, Fencerows
Mud Buttercup	<i>Ranunculus pusillus</i>	Wet Ditches, Stream bottoms
Mexican Plum	<i>Prunus mexicana</i>	Scrub, Fencerows
Live Oak	<i>Quercus virginiana</i>	Scrub, Fencerows
Poison-Ivy	<i>Rhus toxicodendron</i>	Fencerows, Scrub, Ruderal
Macartney Rose	<i>Rosa bracteata</i>	Overgrown pasture, Scrub, Ruderal
Dewberry	<i>Rubus trivialis</i>	Disturbed Pasture, Wetland edges
Curly Dock	<i>Rumex crispus</i>	Disturbed Pasture, Ruderal
Scytheleaf Arrowhead	<i>Sagittaria lancifolia</i>	Wet Ditches, Stream bottoms
Black Willow	<i>Salix nigra</i>	Wet Ditches, Stream bottoms
Butterweed	<i>Senecio glabellus</i>	Disturbed Pasture, Ruderal
Knotgrass	<i>Setaria geniculata</i>	Disturbed Pasture
Rattlebush	<i>Sesbania drummondii</i>	Depression Ponds
Smutgrass	<i>Sporobolus indicus</i>	Disturbed Pasture, Ruderal
Chinese tallow	<i>Sapium sebiferum</i>	Disturbed Areas, dry or wet
Drummond Betony	<i>Stachys drummondii</i>	Disturbed Pasture, Ruderal
White Clover	<i>Trifolium repens</i>	Disturbed Pasture
Cedar Elm	<i>Ulmus crassifolia</i>	Scrub, Fencerows
Slender Verbena	<i>Verbena halei</i>	Wet Ditches, Stream bottoms
Hercules' Club	<i>Zanthoxylum clava-herculis</i>	Scrub, Fencerows

Common Name	Scientific Name	Documented Occurrence
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Table C-2
WILDLIFE EXPECTED OR OBSERVED IN THE PROJECT AREA

Mammals		
Eastern cottontail	<i>Sylvilagus floridanus</i>	Observed (briar thicket)
White-footed mouse	<i>Peromyscus leucopus</i>	Observed (grassy field)
Hispid cotton rat	<i>Sigmodon hispidus</i>	Expected
Muskrat	<i>Ondatra zibethicus</i>	Observed (A. Dulce channel)
Gray squirrel	<i>Sciurus carolinensis</i>	Observed (near gravesite)
Eastern mole	<i>Scalopus aquaticus</i>	Expected
Eastern chipmunk	<i>Tamias striatus</i>	Expected
Eastern pipistrelle	<i>Pipistrellus subflavus</i>	Observed (Roadkill)
Raccoon	<i>Procyon lotor</i>	Expected
Beaver	<i>Castor canadensis</i>	Observed (Lodge-Agua Dulce)
Nine-banded armadillo	<i>Dasypus novemcinctus</i>	Expected
Coyote	<i>Canis latrans</i>	Expected
Birds		
Mourning Dove	<i>Zenaida macroura</i>	Observed
American Crow	<i>Corvus brachyrhynchos</i>	Observed
Blue Jay	<i>Cyanocitta cristata</i>	Observed
Carolina chickadee	<i>Parus carolinensis</i>	Observed
Tufted titmouse	<i>Parus bicolor</i>	Observed
Killdeer	<i>Charadrius vociferus</i>	Observed
Great blue heron	<i>Ardea herodias</i>	Expected
Green heron	<i>Butorides striatus</i>	Expected
Red-tailed hawk	<i>Buteo jamaicensis</i>	Expected
Ferruginous hawk	<i>Buteo regalis</i>	Potential
White-tailed hawk	<i>Buteo albicadalis</i>	Potential
Northern harrier	<i>Circus cyaneus</i>	Observed (overhead)
Kestrel	<i>Falco sparverius</i>	Observed (on wire)
Purple martin	<i>Progne subis</i>	Observed (homesite)
Barn swallow	<i>Hirundo rustica</i>	Observed (overhead)
Common Name	Scientific Name	Documented Occurrence
Northern mockingbird	<i>Mimus polyglottos</i>	Observed (perched on wire)
Gray catbird	<i>Dumetella carolinensis</i>	Observed (scrub)
American Robin	<i>Turdus migratorius</i>	Observed (field)
European starling	<i>Sturnus vulgaris</i>	Observed (roadside)
Eastern meadowlark	<i>Sturnella magna</i>	Expected
Red-winged blackbird	<i>Agelaius phoeniceus</i>	Observed (ditch bank)
Common grackle	<i>Quiscalus quiscula</i>	Observed (pasture)
Brown-headed cowbird	<i>Molothrus ater</i>	Expected
Field sparrow	<i>Spizella pusilla</i>	Observed (field)
Song sparrow	<i>Melospiza melodia</i>	Observed (field)
Swamp sparrow	<i>Melospiza georgiana</i>	Expected
House sparrow	<i>Passer domesticus</i>	Observed (aband. building)
Mallard	<i>Anas platyrhynchos</i>	Observed (ditch)
Cattle egret	<i>Bubulcus ibis</i>	Expected

Table C-2
WILDLIFE EXPECTED OR OBSERVED IN THE PROJECT AREA

Amphibians & Reptiles		
Ornate Box Turtle	<i>Terrapene ornata</i>	Expected
Common Snapping Turtle	<i>Chelydra serpentina</i>	Expected
Northern Black Racer	<i>Coluber constrictor</i>	Expected
Black Rat Snake	<i>Elaphe obsoleta</i>	Expected
Southern Hognose Snake	<i>Heterodon simus</i>	Expected
Common Kingsnake	<i>Lampropeltis getula</i>	Potential
Diamondback Water Snake	<i>Nerodia rhombifera</i>	Observed (ditch)
W. Diamond. Rattlesnake	<i>Crotalus atrox</i>	Observed (dry open areas)
Texas Coral Snake	<i>Micrurus fulvius</i>	Expected
Eastern Garter Snake	<i>Thamnophis sirtalis</i>	Expected
Northern Fence Lizard	<i>Sceloporus undulatus</i>	Expected
Five-lined Skink	<i>Eumeces fasciatus</i>	Expected
Ground Skink	<i>Scincella lateralis</i>	Expected
Six-lined racerunner	<i>Cnemidophorus sexlineatus</i>	Expected
Tiger Salamander	<i>Ambystoma tigrinum</i>	Potential (depression ponds)
Small-mouthed Salamander	<i>Ambystoma texanum</i>	Potential (depression ponds)
Common Name	Scientific Name	Documented Occurrence
Narrow-mouthed Toad	<i>Gastrophryne carolinensis</i>	Potential (depression ponds)
Black-spotted Newt	<i>Notophthalmus meridionalis</i>	Potential (depression ponds)
Red-spotted Newt	<i>Notophthalmus viridescens</i>	Potential (depression ponds)
Hurter's Spadefoot Toad	<i>Scaphiopus holbrookii</i>	Potential (depression ponds)
Gulf Coast Toad	<i>Bufo valliceps</i>	Expected
Chorus Frog	<i>Pseudacris triseriata</i>	Expected
Blanchard's Cricket Frog	<i>Acris crepitans</i>	Expected
Green Frog	<i>Rana clamitans</i>	Potential (ditches, streams)
Bullfrog	<i>Rana catesbeiana</i>	Expected
Southern Leopard Frog	<i>Rana utricularia</i>	Expected

Source: Scientific and common names are taken from Banks, R.C. et. al., 1987. *Checklist of Vertebrates of the United States, the U.S. Territories, and Canada*. U.S. Department of the Interior, Fish and Wildlife Service, Resource Publication 166.



AGENCIES AND OTHER PARTIES CONSULTED

D.1 AGENCIES AND OTHER PARTIES CONSULTED

The following agencies were consulted during the preparation of this Draft Environmental Assessment. Those agencies which provided comments are indicated by an asterisk. Copies of the letters are included as part of this appendix.

Federal:

Federal Highway Administration
Natural Resource Conservation Service*
US Army Corps of Engineers – Corpus Christi Regulatory Office
US Army Corps of Engineers – Galveston District*
US Environmental Protection Agency – Region 6
US Fish and Wildlife Service – Region 2*
US Fish and Wildlife Service – Austin Office

State:

Attorney General's Office – Natural Resource Division
Department of Agriculture – Intergovernmental Affairs Division
Department of Transportation – Austin*
Department of Transportation – Yoakum District
General Land Office – Coastal Management Program
Natural Resources Conservation Commission
Historical Commission*
Parks and Wildlife Department*
State Clearinghouse – Office of the Governor*

Local:

City Manager – City of Port Lavaca
Golden Crescent Regional Planning Commission
Houston-Galveston Area Council of Governments